

# PETRONAS GREASE Li AS

## Extreme Pressure Lithium Grease with Anti-Seize Compound

PETRONAS Grease Li AS is an extreme pressure Lithium grease with anti-seize compound specially developed for general maintenance and installation procedures used in industrial, mining and marine applications.

Formulated with selected mineral base oils enhanced with Lithium 12-hydroxystearate soap, advanced extreme pressure, anti-oxidant, anti-rust, solid lubricants and corrosion inhibitors. PETRONAS Grease Li AS provides excellent protection under all types of corrosive conditions and which, even after years, enables the user to loosen threaded connections of all types of equipment with a minimum of effort.

PETRONAS Grease Li AS meets or exceeds key industrial specifications.

### Applications

PETRONAS Grease Li AS is recommended for use in:

- assembling of intake and exhaust manifold studs, cylinder head studs, boiler and cylinder head gaskets, face plate studs, gas burner connections, steam pipe threads as well bolts and nuts used on flange connections
- sealing all types of high pressure joints whether under hot or cold conditions and does not harden. It can be used for press fits and helps prevent fretting corrosion on shafts and housings when assembling ball and roller bearings
- all automotive passenger and truck wheel studs and nuts

Note: PETRONAS Grease Li AS is recommended for operating temperature range of -20°C to +100°C (Max. +110°C).

Due to the unique solid lubricants configuration application materials include the following metals: Mild Steel, Stainless steel, Bronze, Copper, Galvanized and many more.

For even better results and longer life apply the thread grease and place in position. Apply solvent resistant silicone sealer around the contact points between the bolt and body/nut.

# PETRONAS GREASE Li AS

## Extreme Pressure Lithium Grease with Anti-Seize Compound

### Features and Benefits

Features	Benefits
Prevents seizure	The combination of several lubricating quality solid lubricants ensures an outstanding anti-seize performance.
High rust & corrosion protection	Protects contact surfaces against rust and corrosion, even in the presence of water.
High thermal and oxidation stability	Has a very good resistance to oxidation and will not harden or form carbon deposits.
Good sealing performance	Ensures sealing in general maintenance and installation procedures used in industrial, mining and marine applications

### Typical Properties

Characteristic	Method	Specification	Li AS
Thickener Type	-	Lithium	Lithium
NLGI	ASTM D217	1.5	1.5
Color	Visual	Brown	Brown
Worked Penetration, mm/10	ASTM D217	290 - 320	300
Worked Penetration 100.000x, Penetration Change, mm/10, Max.	ASTM D217	+20	+10
Oil Separation, Mass %, Max.	ASTM D1742	5	3
Dropping Point, °C, Min.	ASTM D2265	180	190
Four Ball Wear, mm, Max.	ASTM D2266	0,50	0,30
Four Ball EP Weld Point, Min.	ASTM D2596	200	200
Flow Pressure at -20°C, mbar, Max.	DIN 51805 mod	1400	<1400
Water resistance at 90°C, Max.	DIN 51807:1	3	1
Water Washout at 38°C, %, Max.	ASTM D1264	10	6
Emcor Test (Dist. Water), Max.	ASTM D6138	0-0	0-0
Total Solid Content, %	Calculated	-	33
Base Oil Viscosity @40°C, cSt	ASTM D445	190 - 210	200

All technical data are provided for reference only / SS is available upon request including quality control limits

# PETRONAS GREASE Li AS

## Extreme Pressure Lithium Grease with Anti-Seize Compound

### Performance Levels

- DIN 51502 MF1.5G-20
- ISO 12924 L-XB(F)BAA1.5

### Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com).

### Important Note

The word PETRONAS, the PETRONAS logo and such other related trademarks and/or marks used herein are trademarks or registered trademarks of PETRONAS Lubricants International Sdn. Bhd. ("PLISB"), or its subsidiaries or related Holding Corporation under license unless indicated otherwise. The PLI Documents and the information contained herein are believed to be accurate as of the date of printing. PLISB makes no express or implied representation or warranties as to its accuracy or completeness or information in or any transaction performed. The PLI Documents and information provided are based on standard tests under laboratory conditions and is given only as a guide. Users are advised to ensure that they refer to the latest version of these PLI Documents. It is the responsibility of the users to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations imposed by the respective local authorities.

Safety Data Sheets are available for all our products and should only be consulted for appropriate information regarding storage, safe handling and disposal of the product. No responsibility shall be taken by either PLISB or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortuous action, in connection with or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representatives in the event you require any further information.